

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-13 19:00:59

Date of Next Testing: 2029-11-12 19:00:59

Product Name: **4-Nitrophenyl  $\alpha$ -D-glucopyranoside**

CAS Number: 3767-28-0

Specifications & Purity:  $\geq 99\%$

Lot #: K2507668

SKU #: **N109390**

Version: **1**

**Analysis #:** **594805**

Storage Temperature: Store at  $-20^{\circ}\text{C}$

| Parameter                                                            | Limit Values                                              | Result                                                    |
|----------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Free P-Nitrophenol                                                   | 0-0.1 (%)                                                 | 0.00 %                                                    |
| Purity(HPLC)                                                         | 99-100 (%)                                                | 99.50600 %                                                |
| Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in H}_2\text{O})$    | 215-222 ( $^{\circ}$ )                                    | 215.20 $^{\circ}$                                         |
| Appearance (N109390)                                                 | White to Off-White to yellow<br>Powder or Solid or Chunks | White to Off-White to Yellow<br>Powder or Solid or Chunks |
| Proton NMR spectrum                                                  | Conforms to Structure                                     | Conforms to Structure                                     |
| Solubility in MeOH , Colorless to yellow-green clear to hazy 20mg/ml | pass                                                      | Pass                                                      |



John Su  
QA & QC Manager